

DRAWING AMENDMENTS

The Applicant has amended FIG. 26, FIG. 27, FIG. 28, and FIG. 29 to correct typographical errors with respect to references to check edge messages and bit edge messages.

The Applicant respectfully submits replacement sheet for the FIG. 26, FIG. 27, FIG. 28, and FIG. 29.

REMARKS/ARGUMENTS***Brief Summary of Status***

Claims 1-34 are pending in the application.

Claims 1-11 and 24-34 are allowed.

Claim 12 is rejected.

Claims 13-23 are objected to.

1. Claim 12 is provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 1 of copending Application No. 10/668,526. Although the conflicting claims are not identical, they are not patentably distinct from each other because claim 1 of USPA No. 10/668,526 contains every element of claim 12 of the instant application and as such anticipates claim 12 of the instant application. (office action, Part of Paper No./Mail Date 20060622, p. 3).

Amendments to Claims, Figures and Specification

The Applicant has amended certain of the claims, figures, and specification to correct typographical errors.

Replacement sheets for FIG. 26, FIG. 27, FIG. 28, and FIG. 29 are being submitted to correct typographical errors in the previously submitted drawings.

The Applicant has also amended the specification to comport with the replacements drawings being submitted herewith.

The Applicant respectfully asserts that the amendments presented herein do not present any new matter, and many other portions of the Applicant's originally filed specification describe and show the relationship between symbol nodes, check nodes, and the edges that connect them.

Double patenting rejection

The Examiner asserts:

"1. Claim 12 is provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 1 of copending Application No. 10/668,526. Although the conflicting claims are not identical, they are

not patentably distinct from each other because claim 1 of USPA No. 10/668,526 contains every element of claim 12 of the instant application and as such anticipates claim 12 of the instant application.” (office action, Part of Paper No./Mail Date 20060622, p. 3).

With respect to the provisional double patenting rejection of the claim 12 of the present U.S. utility patent application no. 10/723,574 (Docket No. BP3134) over the claim 1 of copending U.S. utility patent application no. 10/668,526 (Docket No. BP3089), the Applicant is submitting herewith a terminal disclaimer to obviate any double patenting rejection thereof.

The Applicant respectfully asserts that both the present U.S. utility patent application no. 10/723,574 (Docket No. BP3134) and the copending U.S. utility patent application no. 10/668,526 (Docket No. BP3089) are commonly owned by the Applicant, namely, Broadcom Corporation, Irvine, CA.

In light of such terminal disclaimer, the Applicant respectfully requests that the Examiner withdraw this above-referenced rejection.

Allowable Subject Matter

The Examiner asserts:

“5. Claims 13 to 23 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.” (office action, Part of Paper No./Mail Date 20060622, p. 3).

The Applicant respectfully believes that, in light of the terminal disclaimer filed herewith, independent claim 12 is allowable.

As such, the Applicant respectfully believes that the dependent claims 13-23 are also allowable, as being further limitations of allowable independent claim 12.

As such, the Applicant respectfully requests that the Examiner withdraw the objections to claims 13-23.

The Examiner asserts:

“6. Claims 1 to 11 and 24 to 34 are allowed.” (office action, Part of Paper No./Mail Date 20060622, p. 3).

The Applicant respectfully believes that claims 1-34 are in condition for allowance and respectfully requests that they be passed to allowance.

The Examiner is invited to contact the undersigned by telephone or facsimile if the Examiner believes that such a communication would advance the prosecution of the present U.S. utility patent application.

RESPECTFULLY SUBMITTED,

By: /SXShort/ Reg. No. 45,105
 Shayne X. Short, Ph.D., Reg. No. 45,105
 Direct Phone: (512) 825-1145
 Direct Fax No. (512) 394-9006

GARLICK HARRISON & MARKISON
 ATTORNEYS AT LAW
 P.O. Box 160727
 AUSTIN, TEXAS 78716-0727
 TELEPHONE (512) 825-1145 / FACSIMILE (512) 394-9006 OR (512) 301-3707